

Claims

1. The use of modulators or of a modulator of the potassium channels TWIK-1, TASK-1, GIRK1, SK2 or PCN1 for producing a medicament for the treatment and/or prophylaxis of cardiac dysrhythmias (arrhythmias), coronary heart disease or hypertension.
- 5 2. A method for screening test compounds to identify modulators of the potassium channels TWIK-1, TASK-1, GIRK1, SK2 or PCN1 which are suitable for producing a medicament for the treatment and/or prophylaxis of cardiac dysrhythmias (arrhythmias), coronary heart disease or hypertension.
- 10 3. A pharmaceutical composition comprising a modulator or a plurality of modulators of the potassium channels TWIK-1, TASK-1, GIRK1, SK2 or PCN1 for the treatment and/or prophylaxis of cardiac dysrhythmias (arrhythmias), coronary heart disease or hypertension.
4. A modulator of the potassium channels TWIK-1, TASK-1, GIRK1, SK2 or PCN1 for the treatment and/or prophylaxis of cardiac dysrhythmias (arrhythmias), coronary heart disease or hypertension.
- 15 5. The use of modulators of gene products which are expressed in the human heart differentially between left atrium and left ventricle for producing a medicament for the treatment of cardiac dysrhythmias (arrhythmias), coronary heart disease, or hypertension.